

PROPERTIES OF QUADRILATERALS				SIDES						ANGLES						DIAGONALS			
Quadrilateral	Both Pairs of Opposite Sides PARALLEL	Both Pairs of Opposite Sides CONGRUENT	Exactly ONE pair of Opposite Sides are PARALLEL	Exactly ONE pair of Opposite Sides are CONGRUENT	ALL Sides are CONGRUENT	2 Disjoint Pairs of Sides are CONGRUENT	ALL Angles are CONGRUENT	Opposite ANGLES are CONGRUENT	One Pair of Opposite ANGLES are CONGRUENT	All Consecutive Angles CONGRUENT	Two Pairs of Consecutive ANGLES are CONGRUENT	Base Angles are SUPPLEMENTARY	Has a RIGHT angle	Diagonals are SUPPLEMENTARY	Diagonals are CONGRUENT	Diagonals BISECT each other	Diagonals are Bisected	One Diagonal is PERPENDICULAR	Diagonals Bisect One Pair of Angles
Parallelogram	X	X					X		X					X					
Rectangle	X	X				X	X		X			X	X	X					
Rhombus	X	X			X		X		X					X		X		X	
Square	X	X			X		X	X	X			X	X	X		X		X	
Trapezoid			X							X									
Isosceles Trapezoid			X	X						X	X		X						
Kite						X		X							X	X	X		

TEST FOR
PARALLELOGRAM

ONE PAIR
OPPOSITE SIDES
IS BOTH

TEST FOR
PARALLELOGRAM

ONE PAIR
OPPOSITE SIDES

IS BOTH
≅ AND ||

SUM = $(n-2) \cdot 180$
INTERIOR

ONE REGULAR $\frac{(n-2) \cdot 180}{n}$
INTERIOR

SUM = 360°
EXTERIOR

ONE REGULAR $\frac{360}{n}$
EXTERIOR

INTERIOR + EXTERIOR = 180°
ANGLE ANGLE